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TITLE : WATER-BASED PIGMENT INK FOR WRITING UTENSIL

ABSTRACT : PURPOSE: To provide the titled ink which is highly hygroscopic, has excellent drying resistance and dispersion stability and does not cause the clogging of nibs, by blending water-based pigment ink consisting of a pigment, a dispersant, water, etc. with sorbitan and/or sorbitol as dispersion stabilizers.

CONSTITUTION: 40~85wt% water as a principal ingredient is blended with 5~20wt% pigment (A) such as carbon black, phthalocyanine blue, etc., 2~20wt% dispersant (B) such as a high-molecular dispersant (e.g., a salt of a styrene/ acrylic acid copolymer), a surfactant (e.g., a sorbitan alkyl ester), etc., 5~40wt% sorbitan and/or sorbitol (C) as dispersion stabilizers and optionally, org. solvents such as glycols, urea (derivative), a preservative, a rust inhibitor, etc. (D).

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